73

INDEX No. 73

LIMA LOCOMOTIVE WORKS, INC.

DETAIL INDEX, DEPARTMENT A-4

2 TRUCK 13 TON LOCOMOTIVE, SHAY TYPE

2-6"x10" 27½" ST. TOP BOILER

LOCO. No.	GAUGE	FUEL	LOCO. No.	GAUGE	FUEL
1553					

73

AOE 11-3-37

Steel Castings. Cylinder and Truck Parts.	BEGIN LOCO.			BEGIN LOCO. 2463			BEGIN LOCO.			BEGIN LOCO.		
NAME OF PIECE	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD
CYLINDER PARTS.												
Crosshead		CAST IRON										
Throttle Lever Quadrant												
Cylinder Frames												
Bottom Bracket												
Links	2	5754	8102	2	58-12 5745	583-A-5005 8102		BUSHINGS $\frac{11}{16}$" × $\frac{13}{16}$" × $1\frac{1}{4}$"				
Valve Stem Crosshead	2	5293	8000									
Tumbling Shaft Collars												
TRUCK PARTS.												
Crank Coupling—Front End	1	3	231									
Crank Coupling—Rear End	1	3	231									
Coupling Ring—Whole—~~Front Truck~~	4	74-8 ~~4252~~	743-A-5007 ~~4834~~									
Coupling Ring—~~Whole—Rear Truck~~ Half	8	74-9 ~~4253~~	743-B-5007 ~~4834~~									
Coupling Ring—Half—Front Truck												
Coupling Ring—Half—Rear Truck												
Coupling Ring—Whole—Second Truck												
Coupling Ring—Half—Second Truck												
Coupling Ring—Whole—Third Truck												
Coupling Ring—Half—Third Truck												
Line Shaft Collar, (Narrow) Front Shaft	2	7784	9108									
Line Shaft Collar, (Narrow) Rear Shaft	2	7784	9108									
Line Shaft Collar, (Wide) Front Shaft	2	74-119	742A5226									
Line Shaft Collar, (Wide)—Rear Shaft	2	74-120	742-A-5227									
Line Shaft Collar, (Narrow) 2nd Shaft												
Line Shaft Collar, (Wide) 2nd Shaft												
Line Shaft Collar, (Narrow) Third Shaft												
Line Shaft Collar, (Wide) Third Shaft												
Line Shaft Collar—End of Rear Shaft	1	74-95	742-B-5204									
Line Shaft Pinions—Front Truck												
Line Shaft Pinions—2nd Truck $2\frac{3}{16}$"	2	74-430 17	742-A-5114 8802	2	74-65 ~~23~~	742-A-5184 ~~8803~~						
Line Shaft Pinions—3rd Truck												
Line Shaft Pinions—Rear Truck	2	74-430 17	742-A-5114 8802	2	74-65 ~~23~~	742-A-5184 ~~8803~~						
Line Shaft Coupling—Front Shaft	1	74-25 2	742A5195 231									
Line Shaft Coupling—2nd Shaft Front End												
Line Shaft Coupling—2nd Shaft Rear End												
Line Shaft Coupling—3rd Shaft Front End												
Line Shaft Coupling—3rd Shaft Rear End												
Line Shaft Coupling—Rear Shaft	1	74-25 ~~2~~	742-A-5195 ~~231~~									
Sleeve Coupling—Front Truck	1	3	231									
Sleeve Coupling—No. 2 Truck												
Sleeve Coupling—No. 3 Truck												
Sleeve Coupling—Rear Truck	1	3	231									
Square Shaft—Front Truck												
Square Shaft—2nd Truck												
Square Shaft—3rd Truck												
Square Shaft—Rear Truck												
Gear Rims	4	17	8802	4	#74-64 ~~23~~	743-A-5039 ~~8803~~						
Wheel Center												
Right Truck Box—~~Front Truck~~	4	93-328	933-B-5047									
Right Truck Box Cap—Front Truck												
Right Truck Box—2nd Truck												
Right Truck Box Cap—2nd Truck												
Right Truck Box—3rd Truck												
Right Truck Box Cap—3rd Truck												
Right Truck Box—Rear Truck												
Right Truck Box Cap—Rear Truck												
Left Truck Pedestal	4	93-92	933-A-5097									
Left Truck Pedestal Cap												

Steel Castings. Truck Parts. **Frame Parts. Boiler Parts.** **Truck Parts--**(Continued)	BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.		
NAME OF PIECE	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD
Bottom Center Plate												
Brake Hanger—For Crossbar												
Side Bearing—On Truck												
Bolster Brake Lever Fulcrum												
Brake Beam Fulcrum		6847	9846									
Brake Lever Stop Lug—On Truck												
Truck Bolster												
Truck Spring Bolster												
Truck Side Frame—Left												
Truck Side Frame—Right—Front Truck												
Truck Side Frame—Right—2nd Truck												
Truck Side Frame—Right—3rd Truck												
Truck Side Frame—Right—Rear Truck												
Truck Brake Strut												
FRAME PARTS.												
Engine Frame End Casting												
Engine Frame End Casting Connection												
Tender Frame End Casting												
Engine Frame Center Plate												
Tender Frame Center Plate												
Shackle Bar Pocket—Engine Frame												
Shackle Bar Pocket—Tender Frame												
Pilot Coupler Frames												
Truss Heads	4	1538	40	4	7-7-11 1537							
Truss Pads—Right	4	3882	4305									
Truss Pads—Left	4	3883	4305									
End Pad Clamp—Right	2	1612	4787									
End Pad Clamp—Left	2	1612	"									
Center Pad Clamp—Right												
Center Pad Clamp—Left												
Side Bearing—Right Side												
Drawhead, Front												
Drawhead, Back												
End Timber Angle Brace				4	AFTER LOCO. 2163 7151	11065						
Drawhead Brace Foot												
Drawhead Brace Pad												
BOILER PARTS.												
Smoke Box Brace Pad		C.I.										
Throttle Lever Bell Crank												
Throttle Lever Bell Crank Fulcrum												
Sling Stay T Bars—Right												
Sling Stay T Bars—Left												
Washout Plug Cap												
Bell Clapper	1	6867	12534									
REV. LEVER HANDLE	1	02786	238									
THROTTLE LEVER CONNECTION	1	5713	12136									
" STEM JAW	1	02782	"									

Brass Castings, Boiler and Cab Fittings.

NAME OF PIECE	BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.		
	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD
Water Gauge Lamp Bracket	1	6614	359	1 1	9297 9298	11485						
Steam Brake Valve Handle		02802	13505									
Steam Brake ~~Stuffing Box~~ SLIDE VALVE		5513	13505									
Steam Brake Valve Stuffing Box Nut			"									
Steam Brake Valve Stuffing Box Follower			"									
Oil Pipe Elbow	2	4782	5540									
Blower Pipe Elbow												
Injector Pipe Sleeve—Copper Pipe												
Injector Pipe Nut—Copper Pipe												
Injector Check Connection—Copper Pipe												
Injector Check Flanges	2	5394	4595									
Washout Plug Flange	1	5315	11403									
Washout Plug Valve	1	5032	11403									
Washout Plug Cap	1	5031	11403									
Washout Plug Screw Plugs	6	02675	3111									
Washout Plug Screw Plugs Back Head		1½"										
Number Plate		C.I.										
Soft Plug—For Fire Box	1	6883	11449	1	6356	11432	1	7788	11432			
Steam Pipe Joint Ring	2	5419	12108									
~~Exhaust~~ STEAM Pipe Joint Ring	1	5420	12114									
Steam Turret	1	6075	11428									
Steam Turret Ball Joint	1	1156	"									
Steam Turret Stuffing Box												
Steam Turret Stuffing Box Nut	1	2672	11428									
Steam Turret Stuffing Box Follower												
Steam Turret Master Valve												
Steam Turret Master Valve Nut												
Steam Turret Master Valve Stem												
Steam Turret Bonnet Ring												
Steam Gauge Bracket												
Water Gauge Marker	1	6452	11437									
Water Gauge Marker Bracket	1	5521	"									
Whistle Bowl		3" COMMON										
Whistle Diaphragm												
Whistle Bell												
Whistle Valve												
Whistle Nut												
Whistle Bushing												
Cinder Pot Joint Plate												
Cinder Pot Slide												
Date Plate	1	6799	12957									
Water Gauge Cock Elbow	1	9209	11484									
Water Gauge Arrangement												
Bell	1 1-4-12.	6866	12534									
STEAM GAUGE NIPPLE	1	8476	11464									
GAUGE COCK NIPPLES	3	9725	11464	10/29/14								

Brass Castings. Cylinder, Truck, Frame and Tank Parts.

NAME OF PIECE	BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.		
	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD
CYLINDER PARTS.												
Steam Chest Relief Valve	2	2641	154									
Steam Chest Relief Valve Base	2	2643	"									
Steam Chest Relief Valve Cap	2	2642	"									
Piston Rod Vibrating Cup												
Piston Rod Spring Washer												
Piston Rod Spring Sleeve												
Piston Rod Packing Rings—Babbitt		~~#6~~ 1 3/16"	~~7719~~	652-D-5153								
Piston Rod Swab Cup	2	65-20 ~~5375~~	~~7763~~ #1 ~~7735~~	652-A-5095								
Piston Rod Follower												
Valve Stem Vibrating Cup	2	4753	7714									
Valve Stem Spring Washer 1-17-11	2	4752	"									
Valve Stem Spring Sleeve												
Valve Stem Packing Rings—Babbitt		#8	7719									
Valve Stem Swab Cup	2	65-28 ~~5427~~	652-C-5086 7714									
Valve Stem Follower												
Crosshead Pin Brass—Top Half	2	72-2 ~~02575~~	722-A-5045 ~~8908~~									
Crosshead Pin Brass—Bottom Half	2	72-1 ~~02574~~	722-A-5045 "									
Crank Pin Brass—Top Half	2	72-49 ~~5297~~	# 722-A-5061									
Crank Pin Brass—Bottom Half	2	72-49 ~~5297~~	# "									
Crossehead Shoe												
Bracket Box Bearing—Lower Half												
Bracket Box Bearing—Upper Half												
Cylinder Cock Rod Lever		MALLEABLE										
Eccentric Strap Oil Cup Cover												
Connecting Rod GREASE ~~Oil~~ Cup BASE	2	6399	7124		592-A-5012	59-70						
Connecting Rod GREASE ~~Oil~~ Cup ~~Cover~~ CHAMBER	2	6398	7123			59-197	SPRINGS .07 WIRE					
Connecting Rod Grease Cup Piston	2	6400	"			59-5	SCREWS 9/16" × 1"					
Connecting Rod Grease Cup ~~Latch~~ LOCK NUT	2	6418	"			59-6	CAP SCREWS 5/16" × 3/4"					
Bottom Bracket Grease Cup Cap	4	59-84	5048									
Bottom Bracket Grease Cup Piston	4	59-85	5048									
Bottom Bracket Grease Cup Piston Follower												
Bottom Bracket Grease Cup Lock Nut	4	59-86	5048									
TRUCK & FRAME PARTS.												
Coupling Ring Bushings—Front	16	74-11 ~~02603~~	742-A-5030 ~~4834~~									
Coupling Ring Bushings—No. 2 Truck												
Coupling Ring Bushings—No. 3 Truck												
Coupling Ring Bushings—Rear Truck												
Journal Bearings	8	93-10 ~~935~~	932-A-5385 235									
Thrust Plate	4	93-142 ~~939~~	9305 #7 ~~235~~									
Line Shaft Bearings—Outside Half—Front Truck	4	74-412 ~~937~~	9270 #9 #	LINE 1								
Line Shaft Bearings—Inside Half—Front Truck	4	74-411 ~~936~~	9270 #9	LINE 1								
Line Shaft Bearings—Outside Half—No. 2 Truck												
Line Shaft Bearings—Inside Half—No. 2 Truck												
Line Shaft Bearings—Outside Half—No. 3 Truck												
Line Shaft Bearings—Inside Half—No. 3 Truck												
Line Shaft Bearings—Outside Half—Rear Truck												
Line Shaft Bearings—Inside Half—Rear Truck												
Steam Break Relief Valve	3		201									
Steam Brake Relief Valve Top	3	02769	"									
Steam Brake Relief Valve Base	3	02770	"									
Steam Brake Release Check												
Steam Brake Release Check Valve												
TANK PARTS.												
Tank Valve	2	942	3392									
Tank Valve Seat	2	941	"									
Hose Connection Nuts												
Hose Connection Nipples												
REV. LEVER HANDLE	1	02786	238									
THROTTLE LEVER CONNECTION	1	5713	12136									
" STEM JAW	1	02782	"									

Cylinder and Valve Gear Parts. Cast Iron.

	BEGIN LOCO.			BEGIN LOCO. 2414			BEGIN LOCO.			BEGIN LOCO.		
NAME OF PIECE	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD
CYLINDER ASSEMBLED CARD.												
Cylinder—Cast in One Piece {~~Right~~ {~~Left~~	2	5290	15907	IR. IL.	5290 9686	15907						
Cylinder Barrel—Cast Separate												
Cylinder Frame—Cast Separate												
Cylinder Head	2	5291	7200									
Cylinder Head Casing												
Steam Chest Cover	2	5296	7400									
Steam Chest Casing												
Slide Valve	2	5242	7405									
Slide Valve Balance Plate	2	5294	"									
Slide Valve Balance Rings	2	6296	4488									
Slide Valve Balance Strips—Long												
Slide Valve Balance Strips—Short												
Crosshead	2	2852	237									
Crosshead Guide	4	66-10	5058									
Piston Head	2	65-95 ~~01168~~	652-A-5070 ~~7504~~									
Piston Packing Rings	4	65-1 ~~6272~~	653-A-5000 4488									
Piston Rod Stuffing Box AFTER 2104	2	65-250 ~~6898~~	652A 5036 7746									
Piston Rod Stuffing Box Gland " "	2	65-249 ~~6896~~	652A 5035 7746									
Piston Rod Vibrating Cups " "	2	65-32 5287	7734 #6									
Piston Rod Spring Washer " "	2	65-33 5376	7733 #3									
Piston Rod ~~Spring~~ ~~Sleeve~~ PACKING ASSEMBLED			7749									
Piston Rod Stuffing Box Fiber Packing	~~2~~	~~963~~	~~369~~									
Piston Rod Stuffing Box Nut or Gland	~~2~~	~~964~~	~~"~~									
Valve Stem Stuffing Box—Fiber Packing	~~2~~	~~5417~~	~~7703~~	2	1-14-11 5417	7703						
Valve Stem Stuffing Box Nut or Gland	~~2~~	~~5418~~	~~7703~~	2	5418	7703						
Valve Stem Stuffing Box Metallic Packing	~~2~~	~~5423~~	~~7714~~									
Valve Stem Stuffing Box Gland	~~2~~	~~5424~~	~~"~~									
Valve Stem Vibrating Cups		BRASS										
Valve Stem ~~Spring~~ ~~Washer~~ PACKING ASSEMBLED			7714									
Valve Stem Crosshead		STEEL CASTING										
Valve Stem Crosshead Guide	2	01561	339									
Valve Stem Crosshead Guide Plates	4	6843	339									
Tumbling Shaft Box												
Tumbling Shaft Box Cap	2	5295	5308									
Universal Coupling Ball	2	02166										
Universal Coupling Socket	2	02167										
Universal Coupling Cap	2	02167										
Eccentric Strap—Top Half	4	39-46 ~~2~~	392A5077 ~~8406~~									
Eccentric Strap—Bottom Half	4	39-47 ~~2~~	" ~~8406~~									
Eccentric No. 1 Cylinder	1	39-4 ~~5333~~	392A5041 ~~8409~~									
Eccentric No. 3 Cylinder												
Eccentric No. 2 Cylinder—Top Half	1	39-3 ~~5332~~	392A5041 ~~8409~~									
Eccentric No. 2 Cylinder—Bottom Half												
Cylinder Cock Lever												
Cylinder Cock Hand Lever												
Bottom Bracket	1	5338	A-15502									
Bottom Bracket Caps	3	~~5339~~	8704		18-258							
Bottom Bracket Bearing Top	3	5342	8704		18-77	182A5050						
Bottom Bracket Bearing Bottom	3	5341	"		18-78	182-A-5051						
Bottom Bracket Bearing Wedges	3	18-50 ~~5340~~	182-A-5010 #									
Bottom Bracket Wedge Screw Cap	3	FORG. ~~5407~~	182-C-5075 "									
Bottom Bracket Oil Cup Cover	1	5413	5566									
Bottom Bracket Oil Cup Cover	2	5412	"									
Bottom Bracket Oil Cup Hinge Lugs	3	4923	"									
Bottom Bracket Oil Cup Hinge Lugs												
Steam Brake Valve Base	1	5514	13505									
Steam Brake Valve Cap	1	5515	"									
Steam Brake Valve Slide Valve		BRASS										
Crosshead Shoe												
COUNTER BALANCE WEIGHTS	4	74-810 ~~5331~~	15706									
REV. LEVER LATCH HANDLE	1	D-10885										
VALVE PLATE SPRING	2	#4										
" STEM PACKING SPRING	2	#20										
PISTON ROD " "	2	#16										

Boiler Parts and Attachments. Cast Iron.	BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.		
NAME OF PIECE	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD
BOILER ASSEMBLED CARD.			4508			15443						
Throttle Arrangement			12120									
Grate Arrangement			11825									
Smoke Box Arrangement			12931									
Dome Ring	1	4044	T-972	~~1~~	FLANGED ~~F-6068~~							
Dome Cover	1	42	"		FLANGED							
Dome Casing Base	1	6823	12013	1	FLANGED STEEL	12021	1	FLANGED	11659			
Dome Casing Shell	1	5003	27½" ST. BOILER	1	"	" "	1	FLANGED	11659	1	FLANGED	12029
Dome Casing Top										1	5009	12029
Throttle Stand Pipe and Case												
Throttle Valve	1	6239	12134									
Throttle Valve Case	1 1	6240 6241	"									
Throttle Pipe Flange												
Sand Box Base	1	01746	119									
Sand Box Top	1	01757	119									
Sand Box Lid	1	3846	4336									
Sand Box Valve	2	U-63	119	2	01734	119						
Sand Box Lever—Short	1	01766	"									
Sand Box Lever—Long	1	FORGING										
Sand Box Rod Handle	1	01858										
Taper Stack	1	6325	12626									
Stack Saddle—~~Taper Stack~~	1	2880	3208									
Stack Top Ring—Taper Stack												
Smoke Box Front	1	D-10185	12956									
Smoke Box Door	1	D-10186	"									
Smoke Box Door Liner	1	D-10187	"									
Smoke Box Front Liner	1	D-10188	"									
Smoke Box Door Button	1	D-10189	"									
Cinder Pot Base												
Cinder Pot Cap												
Cinder Pot Shaft Weight												
Bell Frame Base	1	01555	12508									
Bell Yoke	1	4032	4574									
Bell Yoke Frame	1	4031	4574									
Bell Yoke Crank		FORGED										
Bell Yoke Knob	1	01783	4574									
Bell Yoke Plate												
Cleaning Hole Flange												
Cleaning Hole Cover												
Date Plate	~~1~~	~~01869~~	BRASS									
Number Plate												
Exhaust Reducer												
Exhaust Reducer Gland AT BRACKET	1	5344	15610									
Exhaust Reducer Elbow	1	5429	12800									
Exhaust Pipe Extension												
Exhaust Drop Pipe	1	5428	12802									
Exhaust Nozzle												
Exhaust Tips												
Exhaust Pipe Flange												
Steam Bracket	1	18-291 ~~5343~~	A-15610									
Steam Bracket Supplement												
Top Flange—Steam Pipe	1	5893	12101									
Bottom Flange—Steam Pipe	2	5422	"									
Steam Pipe Elbow at Dome		BRASS										
Steam Pipe												
Flag Staff Sockets												
Feed Pipe Brackets												
Feed Pipe Bracket Cap												
Diamond Stack Base												
Diamond Stack Cone												
Steam Pipe Joint Rings												

Boiler Parts and Attachments.
Cast Iron.

NAME OF PIECE	BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.		
	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD
Hand Rail Columns BEGIN 2488	4	1174	11420									
Hand Rail ~~Columns~~ BRACKETS AT HEADLIGHT " "	2	8455	10010									
Hand Rail Knobs												
Hand Rail Column Washers												
Cab Wind Sheet—Right												
Cab Wind Sheet—Left												
Boiler Pad—Right	1	5263	5558									
Boiler Pad—Left	1	5262	"									
Truss Post Guides		FLANGED										
Fire Door	1	45-16 ~~G-32~~	452-A-5008									
Fire Door Liner	1	45-17 ~~G-33~~	452-A-5009									
Fire Door Frame	1	45-18 ~~G-34~~	452-A-5007									
Oil Can Shelf	1	01887										
Grate Frame—Right	1	52-189 5742	11815									
Grate Frame—Left	1	52-191 ~~5766~~	"									
Rocker Grates	3	52-206 ~~01922~~	T-875									
Dump Grate												
Dead Plate—Front	1	52-190 ~~5743~~	11815									
Dead Plate—Rear												
Dump Grate Shaft Box—Right												
Dump Grate Shaft Box—Left												
Horizontal Shaker Shaft Box—Right												
Horizontal Shaker Shaft Box—Left												
Vertical Shaker Shaft Bracket—Top												
Vertical Shaker Shaft Bracket—Bottom												
Gauge Cock Dripper	1	01918										
Throttle Stem Stuffing Box												
Throttle Stem Stuffing Box Gland	1	6445	12134									
Steam Turret		BRASS										
Cab Lamp Bracket												
Whistle Lever												
Hand Rail Bracket at Head Light												
Bell Clapper Fulcrum	1	6865	12534									
STEAM GAUGE BRACKET 1-4-12	1	8482	11466									
SMOKE BOX BRACE PADS	2	4981	13000									

Truck Parts.
Cast Iron and Wood.

NAME OF PIECE	BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.		
					2463							
	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD
TRUCK PLAN.			16033									
Wheels or Wheel Center		0729	9935	8	7564	9935						
Right Truck Box	4	933	235	4	SEE STEEL CASTINGS ~~8168~~	~~9262~~						
Right Truck Box Cap	4	938	"									
Left Truck Pedestal	~~4~~	SEE STEEL CASTINGS ~~934~~	~~"~~									
Left Truck Pedestal Cap	4	93-327 ~~5140~~	932A5310 ~~"~~									
Inside Left Box												
Inside Left Box Spring Center												
Inside Left Box Cap												
Right Truck Column	2	6848	9418	2	6848	9420						
Left Truck Column	2	"	"	2	"	"						
Oil Cup Cover—Right Box		02883										
Oil Cup Cover—Left Box		02870										
Oil Cup Cover Hinge Plate		02884										
Spring Bolster End Casting—Right	4	6849	9414									
Spring Bolster End Casting—Left		"	"									
Bolster End Separator												
Bolster Separator												
Truck Pedestal Strutt												
Bottom Center Plate	2	6975	9634	2	9700	9607						
Spring Plate—Center												
Spring Plate—Ends												
Side Bearing Base	4	3044	5509									
Side Bearing Block	4	6490	9626									
Bolster Spring Centers												
Brake Heads	8	5267	9802									
Brake Shoes	8	5268	9802									
Brake Hanger Loop For Cross Bar	8	3126	3273									
Cross Tie Washer												
Line Shaft Collar—Wide	~~2~~	SEE STEEL CASTINGS ~~7784~~	~~9108~~									
Line Shaft Collar—Narrow	~~2~~	SEE STEEL CASTINGS ~~7784~~	~~9108~~									
Line Shaft Collar—End	1	74-95 ~~5785~~	742-B-5204 ~~9108~~									
Line Shaft Washers—Front Shaft	~~8~~ 3	74-734 ~~1336~~	742-D-5194 ~~232~~									
Line Shaft Washers—2nd Shaft												
Line Shaft Washers—3rd Shaft												
Line Shaft Washers—Rear Shaft												
Gear Oil Cups	4	59-46 ~~1716~~	592-A-5022 ~~441~~									
Gear Oil Cup Covers	4	59-47 ~~1717~~	592-A-5022 ~~"~~									
Tie Bar Bolster Washers												
Coupling Ring Oil Cellar	16	74-10 ~~4254~~	742-A-5031 ~~4834~~									
WOOD DETAILS.												
Spring Plank	3	3	9521									
Bolster		3	"									
Brake Beams		STEEL										

Frame Parts. **Cast Iron.**		BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.		
NAME OF PIECE		No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD
FRAME LAYOUT.				16725									
End Supplement				13250									
Boiler Saddle		2	48-322 ~~5433~~	4538									
Center Plate	7"	2	48-142 ~~2104~~	9607									
Truss Post Socket		2	2814	6-407									
Truss Post Head		2	3978	4516									
Side Bearing—Right		2	5106	9606									
Side Bearing—Left													
Front Drawhead		1	FORGING 2		1	5666							
Rear Drawhead		1	2		1	5666							
Push Pole Pockets		4	01893		4	6902	A-10310						
Grate Shaker Bracket													
Back Sand Box Base		2	1387	4134									
Back Sand Box Top		2	246	4134									
Back Sand Box Covers		2	2-A-162	4134									
Back Sand Box Valve		2	3715	3257									
Back Sand Box Shaft Hanger		2	01735										
Back Sand Box Shaft Hanger Caps		2	01736										
Steam Brake Cylinder	3"	1	01644	13508									
Steam Brake Cylinder													
Steam Brake Cylinder Head		2	1704	13508									
Steam Brake Cylinder Head													
Steam Brake Piston		2	01650	13508									
Steam Brake Piston													
Steam Brake Piston Rings		2	3176										
Steam Brake Piston Rings													
Steam Brake Stuff. Box Nut or Gland		2	1705	243									
Steam Brake Stuff. Box Nut or Gland													
Dump Grate Lever Fulcrum Pad													
Truss Rod Washers		8	3884										
Bolster Fill Blocks													
Frame Pad Smoke Box Brace		2	2821	228									
Brake Supplement													
Plan													
WOOD DETAILS.													
Front End Timber		1	8-20-12 LINE 1	10351									
Rear End Timber		1	LINE 1	10351									
Drawhead Block													
Runboards		2	LINE 1	10944									
Arrangement													

Tank and Cab Parts. Cast Iron.	BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.		
NAME OF PIECE	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD
TANK ASSEMBLED.			15116									
TENDER FRAME LAYOUT.												
TENDER FRAME ASSEMBLED.												
COAL BUNK ASSEMBLED.												
Siphon	1	5256	11302									
Siphon ~~Plate~~ TUBE	1	5257	"									
Siphon Tube												
Siphon Pipe Flange Bottom	1	0506	3388									
Siphon Goose Neck	1	3190	"									
Siphon Stand Pipe Flange	1	3191	"	1 1	6251 6252	11308						
Hose Connection Nut												
Tank Valve Body	2	940	3392									
Tank Valve Body Plate	2	01842	"									
Tank Valve Bottom Plate	2	01843	"									
Tank Valve Top Plate	2	01845	"									
Tank Valve Cap	2	01847	"									
Tank Valve Stem Nut	2	01846	"									
Tank Valve Stem Handle	2	01849	"									
Tank Valve Stem Clamp Nut	2	01848	"									
Tank Ring	1	01856										
Tank Ring Cover	1	01857										
Hose Strainer Body	1	01863										
Hose Strainer Cap	1	01864										
Tank Hand Hold Columns												
CAB DRAWING.			11118									
Cab Corner Bracket—Right												
Cab Corner Bracket—Left												
Cab Handle Columns	4	1605										
Bell Rope Sheave	2	70										
Bell Rope Sheave Frame	1	67										
Bell Rope Sheave Ferrule	1	68										
Bell Rope Sheave Chair	1	69										
Cab Window Clamp												
Cab Window Clamp Screw												
Cab Window Adjusting Link												
Cab Window Adjusting Link Screw												
Cab Window Rod Plates												

Cylinder and Valve Gear. Forgings.	BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.		
NAME OF PIECE	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD
Connecting Rod	2	F-7310	8908									
Connecting Rod Strap	2	F-7311	"									
Connecting Rod Wedge—Top												
Connecting Rod Wedge—Bottom												
Connecting Rod Key—Top	2	F-7313	8908									
Connecting Rod Key ~~Washer~~ BOTTOM	2	F-7312	"									
Connecting Rod Wedge Bolts												
Connecting Rod Strap Bolts	4	F-7314	8908									
Crosshead Pin	2	F-7316	237									
Piston Rod	2		7503	2	~~F-5400~~	652-A-5032 ~~7506~~						
Piston Rod ~~Key~~ PACKING SPRINGS	2	#16	762A5009									
Piston Rod Packing Studs	6	#8	7736									
Valve Stem Packing Studs	4		7714	4	1-17-11 F-8108	7703						
Valve Yoke	2	~~F-1817~~	942-D-5022 ~~7601~~									
Valve ~~Yoke Block~~ BAL. PLATE SPRING	2	#4										
Valve Yoke Pin												
Valve Stem Key												
Link—Top Half		STEEL										
Link—Bottom Half												
Link Saddle	2	F-6574	8102									
Link Block	2	F-6576	"									
Link Block Plates	4	F-6572	"									
Link Block ~~Pin~~ BUSHING	2	F-6573	"									
Link End Piece	4	STEEL										
Link Hanger	2		4009									
Link Hanger Pin	2	582-A-5042										
Link End Bolts												
Link Saddle Bolts	4		8102	2 2	F-6575 F-6518	8102						
Eccentric Blade	4	#1	8411	4	F-7250	8411						
Eccentric Blade Pins			393C5000 6		$\frac{11''}{16} \times 2\frac{31''}{32}$ NUTS-$\frac{1}{2}$ C.P. HEX 4 COTTER PINS $\frac{3''}{32} \times 1''$							
Eccentric Dowel No. 2 Eccentric												
Eccentric Stud No. 2 Eccentric												
Eccentric Blade Bolts to Strap												
Tumbling Shaft	1	#1	8203	1	F-3482	8203	SK.	82-F-5				
Reverse Lever	1	F-7289	8303									
Reverse Lever Shaft	1	$14\frac{13''}{16}$ #6	8308									
Reserve Lever Quadrant	1	F-3671	4773									
Reverse Lever Quadrant Plate												
Reverse Lever Shaft Stand	1	F-1789	5471									
Reverse Lever Latch	1	F-258	238									
Reverse Lever Latch Lifter	1	F-257	"									
Reverse Lever Latch Stem	1	F-258	"									
Reverse Lever Latch Stem Guide	1	F-259	"									
Reverse Lever Latch Gib	1	F-256	"									
Universal Coupling Ends	2		3295									
Universal Coupling Sleeve Nut	1	F-430	"									
Universal Coupling Jam Nut	2	F-432	"									
Crank Shaft		#58	15705									
Bracket Crank Box Wedge Screw	3	F-7315	8704									
Bracket Crank Box Cap Bolts												
Cylinder Cock Rod Eye Bolts	2											
Cross Head Bolts												
Cross Head Guide Bolts												
Lifting Shaft Fork Bolts												
Steam Brake Valve Details												
Cylinder Bracket Brace	1		15504	1	F-5271	8708						
Cylinder Bracket Brace Pin												
Cylinder Head Casing Flanged												
Steam Chest Cover Casing Flanged												
~~Oil Cup Needle Valve~~ COUNTER BALANCE YOKES	4		15706		157-F-1 SK. ~~157-F-5~~	TWO $\frac{5''}{8}$ NUTS EACH.						
~~Oil Cup Needle Valve Seats~~ REV. LEVER LATCH GUIDES		F 255	238									
Balance Plate Springs												
Crank Coupling Keys												

Boiler Parts and Attachments.
Forgings.

	BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.		
NAME OF PIECE	No. Pieces	MARK	CARD	No. Pieces	MARK 1-17-11	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD
Smoke Box Ring—Front			4508	1	F-3215	11602						
Smoke Box Ring—Rear												
Smoke Box Netting Frame												
Petticoat Pipe Hangers												
Petticoat Pipe Brackets												
Stack Saddle—Flanged			12608									
Headlight Brackets	2	#5	10000									
Cinder Pot Shaft												
Petticoat Pipe Hangers												
Petticoat Pipe Brackets												
Petticoat Pipe												
Petticoat Pipe												
Headlight Plate												
ST. PIPE NIPPLES	3		12113									
Sand Box Rod												
Sand Box Lever—Long			119									
Sand Box Lever—Short		C.I.										
Dome Ring	1	F-6068	11658									
Dome Cover	1	F-6067	11658									
Dome ~~Flange~~ CASING SHELL	1		CANCELLED ~~12029~~									
Throttle Bell Crank												
Throttle Bell Crank Fulcrum												
Throttle Valve Stem	1		12136									
Throttle Lever	1	F-7317	"									
Throttle Lever Links												
Throttle Lever ~~Latch Plate~~ GUIDE	1	F-7319	12136									
Throttle Lever Latch Lifter												
Throttle Lever Stem	1	F-7318	12136									
Dry Pipe Support in Dome												
Dry Pipe Yoke												
Fire Door Latch	1 1	F-1802 F-1803	12702									
Fire Door Latch Guide	1	F-1800	"									
Fire Door Hinge Pin	1	F-1801	"									
CAB LAMP BRACKET	1		358									
Grate Shaker Shaft—Vertical												
Grate Shaker Shaft—Lever—(Lower)												
Grate Shaker Shaft—Hand Lever	1	LINE 13	11818	1	F-7114	11818						
Grate Shaker Shaft—Horizontal												
Grate Shaker Shaft—Lever—Lower												
Grate Shaker Shaft Lever Connection												
Grate Shaker Connection Bar	1	#12	3252	1	F-7328	11838						
Grate Shaker BRACKET ~~Connection To Shaft Arm~~	1	F-7331	11828									
Grate Shaker Rod ~~Pin~~s	1	#4	11810	1	118-F-54	11810						
" " LEVER ~~Dump Grate Shaft~~		#6	5370	1	118-F-52	5370						
Dump Grate Shaft Links												
Dump Grate Shaft Lever												
Dump Grate Shaft Lever in Cab												
Dump Grate Shaft Lever Fulcrum												
Dump Grate Shaft Lever Latch												
Dump Grate Shaft Lever Rod												

Boiler Parts and Attachments.
Forgings.

NAME OF PIECE	BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.		
	No. Pieces	MARK	CARD	No. Pieces	MARK 1-14-11	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD
Ash Pan Complete			11945	1		11960						
Ash Pan Netting Frames												
Ash Pan Damper Lift—Front	1		4596	1	F-7322	11960						
Ash Pan Damper Lift—Rear	1		"	1	F-7321	"						
Ash Pan Damper Rod	1		"	1	F-7320	"						
Ash Pan Damper Bell Crank	1		"	1	F-7325	"						
Ash Pan Damper Bell Crank Fulcrum	1		"	1 1	F-7323 F-7324	"						
Ash Pan Damper Lug	2		"	2	F-7326	"						
Ash Pan Damper Hinge Lug	4		"	4	F-7327	"						
Ash Pan Damper Hinge Bar	4		"	0	0	0						
Ash Pan Damper Strap Hinges	2		0	0	0	0						
Expansion Plate	1	#5	12315									
Truss Post Guides	2	#11	5354									
Crown Bars												
Mud Ring	1		4508	1	1-14-11 F-3164	11644						
Cab Wind Sheet												
Steam Gauge Bracket												
Cab Lamp Bracket												
Brake Valve Bracket												
WHISTLE HAND LEVER	1	111-F-10	A-11149									
" BELL CRANK	1	111-F-11	"									
Diamond Stack												
Diamond Stack Cone Bolts												
Diamond Stack Top Hinge												
Diamond Stack Hinge Lugs												
Diamond Stack Top Hasp												
Diamond Stack Top Hooks												
Diamond Stack Hook Eye Bolts												
Diamond Stack Hook Staples												
Diamond Stack Beading Ring												
Diamond Stack Angle Ring												
Diamond Stack Ring												

Truck Parts. Forgings.	BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.		
				2463								
NAME OF PIECE	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD
Line Shaft—Front	1	LINE 1	9108	1	F-4931	9163						
Line Shaft—2nd Truck												
Line Shaft—3rd Truck												
Line Shaft—Rear	1	LINE 1	9108	1	F-4932	9163						
Square Shaft—Front	1	$2\frac{3}{8}$" x 22"	742E5241 ~~3328~~		SK. 90-F-15							
Square Shaft—Rear	1	$2\frac{3}{8}$" x 24"	742B5241 ~~"~~									
Axles	4	105	10280									
Bolster Channel—Top			9595									
Bolster Channel—Bottom			"									
Bolster Plates—Top Bolster			"									
Bolster Plates—Bottom Bolster			"									
Right Arch Bar	2	F-1929	9772									
Left Arch Bar	2	F-1929	"									
Right Inverted Arch Bar	2	F-1930	"									
Left Inverted Arch Bar	2	F-1930	"									
Bottom Tie Bar—Right Side	4		"	2 2	F-1932 F-4930	9772						
Top Cross Tie—Ends	4	LINE 1	9785									
Bottom Cross Tie—Ends	4	" 1	"									
Diagonal Braces	8	" 1	"									
Equalizer												
Gear ~~Cover~~ RIM BOLTS	16	SET 2	8818									
King Bolts	2		3308									
King Bolt Keys	2		"									
Brake Hanger	8	#4	9835	8	F-7238	9835						
Brake Beam	4	2	9805									
Brake Beam Safety Chains												
Brake Beam Safety Loop												
Brake Beam Plate Front—Wood Beam												
Brake Beam Plate Rear—Wood Beam												
Brake Beam Fulcrum—Wood Beam												
Brake Lever on Beam	4	#11	9809	2 2	F-7243 F-7244	9809						
Brake Lever on Bolster												
Brake Lever Fulcrum—On Bolster												
Brake Stop Lug—On Bolster												
Brake Rod ~~Top~~	2	#8	9807	2	F-7241	9813						
Brake Rod—Bottom	2	#8	"	2	F-7240	9813						
Brake Stop Rod	2	#8	"	2	F-7242	"						
Brake Hanger Pins												
Brake Lever Pins												
Sand Hose Guides												
Safety Chain—To Frame												
Tire												
Bottom Tie Bar—Left Side												
Gear Studs												
GEAR COVERS		SET 6	10116									
REAR LINE SHAFT KEY	1	F-4390	9108									
GEAR KEYS	8	SET 7	8824									
COUPLING RING BOLTS (2 NUTS)	16	$\frac{21}{32}$" x 4"	742A5320,									

Frame Parts. **Forgings.**	BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.		
NAME OF PIECE	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD
Corner Angles Engine Frame	20	SET 27	4223		SET 7	A-11008						
End Timber Angle Brace	4	#1	5361		STEEL CASTINGS							
Frame Brace—To End Timber												
Frame Brace—To Cross Channel												
Frame Spreader												
Frame Pit Irons												
Running Board Braces—Engine Frame	12	#1	10813	6 5 1	F-7115 F-7116 F-7117	10913 " "						
Running Board Braces—Tender Frame												
Quadrant Bracket	1	#5	10912		F-3671	4773	1	F-7332	10912			
Engine Frame Rear End Plate												
Engine Frame End Channel												
Main Truss Rod—Right	1	1¼" DIAM.										
Main Truss Rod—Left	1	1¼" DIAM.										
Truss Rod Ends	8	PLAN 1553	11010									
Truss Rod Columns	2	SET 1	11024									
Smoke Box Brace—Right	1	" 20	13006	1	F-7246	13006						
Smoke Box Brace—Left	1	" 20	"	1	F-7247	"						
Smoke Box Brace Pin	2	F-224	228									
Tender Frame Bolster—Top Member												
Tender Frame Bolster—Bottom Member												
Tender Frame Angles												
Tender Frame Plates												
Tender Frame Braces												
~~Shackle Bar~~ ~~HAND HOLDS~~	2	~~F-6491~~	~~A-10386~~									
Shackle Bar Key												
Shackle Bar Gibs												
Shackle Bar Brace Jaw												
Shackle Bar Brace Foot												
Shackle Bar Pin												
Safety Link												
Safety Link Pins												
CYL. BRACKET BRACE ~~Safety Chain—Engine & Tender~~	~~1~~	~~F-5271~~	~~8708~~									
Steam Brake Piston Rod—Front ¾" x 24"	1		13508									
Steam Brake Piston Rod—Back ¾" x 27"	1		"									
Step Bracket—Right Side												
Step Bracket—Left Side												
Step Bracket—Front and Rear												
Brake Lever Fulcrums	2	SET 3	13417	2	F-7329	13417						
Brake Lever Guides	2	" 7	13416	2	F-7284	13416						
Brake Levers	2	" 12	13413	2	F-7330	13413						
Brake Rods FRONT	1	41¾"	13408	1	F-7252	13408						
Brake Lever Guides												
Brake Lever Guides												
Brake Lever Guides												
Brake Rods REAR	1	49½"	13408	1	F-7253	13408						
Brake Rods												
Brake Rods												
End Hand Holds												
Uncoupling Levers												
Uncoupling Lever Brackets												
ST. BRAKE VALVE PINION SHAFT	1	F-1799	13505									
SMOKE BOX BRACE WASHER	2	F-225	228									
SIDE BEARINGS-LEFT	2	F-7440	9603									
END HAND HOLDS	2	F-6491	A-10386									
" STEP BRACKETS	4	F-1953	A-10335									

Frame, Tank and Cab Parts.
Forgings.

	BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.			BEGIN LOCO.		
NAME OF PIECE	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD	No. Pieces	MARK	CARD
BACK SAND BOX 2 TRUCK ENGINES.		24"	12205									
Valve Rod												
Valve Rod Connection												
Hand Lever												
Hand Lever Rod												
Shaft												
Shaft Lever												
Valve Lever												
Shaft Lever Plate												
Hand Lever Fulcrum												
Pins												
BACK SAND BOX FOR 3 TRUCK ENGINES												
Valve Rod												
Valve Rod Bell Crank												
Valve Rod Bell Crank Fulcrum												
Connecting Rod Jaws												
Horizontal Lever												
Horizontal Lever Fulcrum												
Horizontal Lever Guide												
Hand Lever												
Hand Lever Fulcrum												
Hand Lever Rod												
Pins												
CAB PARTS.												
Cab Angles												
Cab Window Slides												
Cab Ventilator Lift Handle												
Whistle Bell Crank												
~~Whistle Lever~~ CAB ANGLE	1	111-F-25										
Whistle Rig Shaft												
Whistle Rig Hand Lever												
Whistle Rig Hand Lever Fulcrum												
Whistle Rig Shaft Lever												
Whistle Rig Connecting Rod												
TANK PARTS.												
Tank Valve Stems	2	F-953	3392	2	151-F-1	A-15147						
Tank Hand Hold	2	F-6476	15158									
Tank Lugs	4	F-5957	A-15139									
Rear Headlight Bracket												
Rear Headlight Plate												
Tank Ladder												

Bx 31